

CHAPTER 2N
REVETMENTS

2N-01. GENERAL

This chapter covers the construction and maintenance of articulated concrete, asphalt, lumber mattresses and stone fill.

2N-02. MATERIALS

a. Portland Cement Concrete

- (1) Check aggregate gradation.
- (2) Check for approval of mix design.
- (3) Check approval of additives.
- (4) Check dowels and/or wire for size and type of materials.

b. Asphalt Concrete

- (1) Check gradation of aggregate.
- (2) Check approval of mix design.
- (3) Check reinforcement for type and size.

c. Lumber

- (1) Check type and grade.
- (2) Check size and quality when delivered.

d. Stone

- (1) Check approval.
- (2) Check size and quality when delivered.

2N-03. INSTALLATION

a. Plant

- (1) Check that all plants are approved prior to use on work.
- (2) Check that all hauling cables are in good condition, spacing of hauling connections provides equal strain and shackle pins are not worn.

b. Construction

- (1) Check preparation of base to lines and grades.
- (2) Check excavation at toe of revetment.
- (3) Check tie-in to existing bank.
- (4) Articulated mattress

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- (a) Check size and condition of units.
- (b) Check placement.
- (5) Asphalt Mattress and/or Paving
 - (a) Check careful handling.
 - (b) Check any breaks.
 - (c) Check overlap.
 - (d) Check thickness.
 - (e) Check any joints.
 - (f) Check installation of weep holes.
- (6) Lumber Mattress
 - (a) Check spacing of piles.
 - (b) Check penetration.
 - (c) Check placing of willow or other cover material.
- (7) Stone
 - (a) Check placement for excessive voids.
 - (b) Check depth of cover.

2N-04. TESTS

Require all tests of materials prior to and after fabrication. Witness tests and log results.